

AMENDMENTS TO THE CLAIMS:

Please amend the claims, as indicated below. This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method for adjusting a switch frequency of a burst mode for a liquid crystal display, comprising the steps of:

- (a) receiving a scan frequency value from a signal source;
- (b) deriving a switch frequency value of the burst mode according to the scan frequency value, wherein the switch frequency value of the burst mode equals the scan frequency value multiplied by a multiple (N+0.5), wherein N is a positive number, and a tolerance range of the switch frequency value of the burst mode is less than ± 20 Hz ;

and

- (c) transmitting the switch frequency value to a lamp controller.

2. (Original) The method according to Claim 1, wherein at step (b), the switch frequency value of the burst mode is derived by a calculating method according to the scan frequency value.

3. (Canceled).

4. (Currently Amended) The method according to Claim ~~[[3]]~~ 1, wherein a tolerable range of the switch frequency value of the burst mode is \pm ~~[[20]]~~ 10 Hz.

5. (Canceled).

6. (Canceled).

7. (Original) The method according to Claim 1, wherein at step (b), the switch frequency value of the burst mode is derived by looking up a table according to the scan frequency value.

8. (Currently Amended) A switch frequency adjusting system for a burst mode of a liquid crystal display, comprising:

a receiver for receiving a scan frequency value from a signal source;

an adjuster electrically connected to the receiver, for deriving a switch frequency value of the burst mode according to the scan frequency value, wherein the switch frequency value of the burst mode equals the scan frequency value multiplied by a multiple (N+0.5), wherein N is a positive number, and a tolerance range of the switch frequency value of the burst mode is less than ± 20 Hz; and

a transmitter electrically connected to the adjuster, for transmitting the switch frequency value to a lamp controller.

9. (Original) The switch frequency adjusting system according to Claim 8, wherein the adjuster comprises a frequency multiplier for deriving the switch frequency value.

10. (Canceled).

11. (Currently Amended) The switch frequency adjusting system according to Claim ~~[[10]]~~ 8, wherein a tolerable range of the switch frequency value of the burst mode is \pm ~~[[20]]~~ 10 Hz.

12. (Canceled).

13. (Canceled).

14. (Original) The switch frequency adjusting system according to Claim 8, wherein the adjuster comprises a frequency demultiplier for deriving the switch frequency value.

15. (Canceled).

16. (Currently Amended) The switch frequency adjusting system according to Claim ~~[[15]]~~ 8, wherein a tolerable range of the switch frequency value of the burst mode is \pm ~~[[20]]~~ 10 Hz.

17. (Canceled).

18. (Canceled).

19. (Original) The switch frequency adjusting system according to Claim 8, wherein the adjuster comprises a database for storing a plurality of switch frequency values corresponding to various scan frequency values.

20. (New) A liquid crystal display, comprising:

a liquid crystal display panel, for receiving a scan frequency value to scan the display;

at least one lamp, for providing light to the liquid crystal display;

a lamp controller, for controlling the brightness of the lamp according to a switch frequency value of a burst mode; and

a switch frequency adjusting system, comprising:

a receiver for receiving a scan frequency value from a signal source;

an adjuster electrically connected to the receiver, for obtaining the switch frequency value according to the scan frequency value, wherein the switch frequency value equals the scan frequency value multiplied by a multiple $(N+0.5)$, wherein N is a positive number, wherein a tolerable range of the switch frequency value is less than ± 20 Hz; and

a transmitter electrically connected to the adjuster, for transmitting the switch frequency value to the lamp controller.

21. (New) The liquid crystal display according to claim 20, wherein the tolerable range of the switch frequency value of the burst mode is ± 10 Hz.